CW#42/HW#42: Perimeter in the coordinate plane

Geometry

Due: Friday, Nov. 13

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

FAILURE TO WRITE IN COMPELTE SENTENCES OR SHOW ALL WORK WILL RESULT IN LASALLE.

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| You will be able to find the perimeter of shapes on a coordinate grid. | |
| Criteria for Success: Did you…   * Correctly plot the points on a graph * Determine the side lengths * Add up all sides of the shape * Examine your answer: Does it answer the question? Does it make sense? Include units? | |
| 1. Triangle ABC has vertices at A(1,-1), B(4,3), and C(5,-3). Find the perimeter of triangle ABC.   ../Images/Coordinate_Grid_XYAxis.PNG  Perimeter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. ../Images/Coordinate_Grid_XYAxis.PNGQuadrilateral ABCD has vertices A(-3,0), B(2,4), C(3,1), and D(-4,-3). Find the perimeter of ABCD.   Perimeter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| You will be able to find the perimeter of shapes on a coordinate grid…Continued. DIRECTIONS: Complete the practice below in your notebook. | |
| Criteria for Success: Did you…   * Correctly plot the points on a graph * Determine the side lengths * Add up all sides of the shape * Examine your answer: Does it answer the question? Does it make sense? Include units? | |
| 1. Find the perimeter of the triangle ABC with vertices A(-3,1), B(1,3), and C(2,-4). | 1. Find the perimeter of the quadrilateral HUIR with vertices H(-5,-2), U(-4,3), I(-2,3), and R(0,-1). |
| 1. Find the perimeter of the quadrilateral KNDF with vertices K(0,-1), N(-1,-4), D(-3,-2), and F(-2,1). | 1. Find the perimeter of triangle ULF with vertices U(-3,0), L(-2,4), and F(-1,1). |
| \*Want more practice or Still confused? Go to the Geometry wiki space for links to worked out solutions and more practice problems. | |

DID YOU FOLLOW THE CRITERIA FOR SUCCESS??

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| You will be able to write the equation of a line that describes each side of your shape. | |
| Criteria for Success: Did you…   * Correctly plot the points on a graph * Find the slope of each side * Input the given values for the correct unknowns * Solve or simplify * Write an equation in the correct form * Examine your answer: Does it answer the question? Does it make sense? Include units if needed? | |
| 1. Triangle ABC has vertices at A(1,-1), B(4,3), and C(5,-3). 2. Write the equation of a line that contains side     b) Write the equation of a line that contains side  .  c) Write the equation of a line that contains side . | 8. Quadrilateral ABCD has vertices A(-3,0), B(2,4), C(3,1), and D(-4,-3). Find the perimeter of ABCD.   1. Write the equation of a line that contains side 2. Write the equation of a line that contains side 3. Write the equation of a line that contains side 4. Write the equation of a line that contains side |
| Directions: Go back through questions 1-6 and write an equation for each side of the shape. Use the criteria for success above to check your work! Complete these problems in your notebook. | |